Weekly Report

梅鸿辉

June 3, 2018

1. 大黑书修订

完成了初稿

- 更新了引用
- 更新图片标号

2. VisEvo

考虑了一下投CHI的主要思路，具体内容有待完善。下周做一下idea evaluation。

Papaer Reading

2.1 大黑书修订 - BI

[1] M. Smuts, B. Scholtz, and A. Calitz, “Design Guidelines for Business Intelligence Tools for Novice Users,” Proc. 2015 Annu. Res. Conf. South African Inst. Comput. Sci. Inf. Technol. - SAICSIT ’ 15, pp. 1–15, 2015.

2.2 大黑书修订 - 生命科学

[1] M. Mirzargar, R. T. Whitaker, and R. M. Kirby, “Curve boxplot: Generalization of boxplot for ensembles of curves,” IEEE Trans. Vis. Comput. Graph., vol. 20, no. 12, pp. 2654–2663, 2014.

[2] F. Ferstl, K. B??rger, and R. Westermann, “Streamline Variability Plots for Characterizing the Uncertainty in Vector Field Ensembles,” IEEE Trans. Vis. Comput. Graph., vol. 22, no. 1, pp. 767–776, 2016.

2.3 大黑书修订 - 金融

[1] M. D. Flood, V. L. Lemieux, M. Varga, and B. L. William Wong, “The application of visual analytics to financial stability monitoring,” J. Financ. Stab., vol. 27, no. October 2012, pp. 180–197, 2016.

[2] T. Schreck, J. Bernard, T. Tekusová, and J. Kohlhammer, “Visual Cluster Analysis in Trajectory Data Using Editable Kohonen Maps,” IEEE Symp. Vis. Anal. Sci. Technol. (IEEE VAST 2008), vol. 8, no. November 2008, pp. 14–29, 2008.

2.4 其他

[1] Z. Abedjan et al., “Detecting Data Errors : Where are we and what needs to be done ?,” Proc. VLDB Endow., vol. 9, no. 12, pp. 993–1004, 2016.

[2] M. Genton, “Functional Boxplots for Complex Data Visualization,” Minerva Res. Found., 2009.

[3] Y. Sun and M. G. Genton, “Functional boxplots,” J. Comput. Graph. Stat., vol. 20, no. 2, pp. 316–334, 2011.

[4] B. Bach, R. Sicat, J. Beyer, M. Cordeil, and H. Pfister, “The Hologram in My Hand: How Effective is Interactive Exploration of 3D Visualizations in Immersive Tangible Augmented Reality?,” IEEE Trans. Vis. Comput. Graph., vol. 24, no. 1, pp. 457–467, 2018.

[5] R. Y. Liu, J. M. Parelius, and K. Singh, “Multivariate analysis by data depth: Descriptive statistics, graphics and inference,” Ann. Stat., vol. 27, no. 3, pp. 783–858, 1999.

[6] J. Wang, X. Liu, H. W. Shen, and G. Lin, “Multi-Resolution Climate Ensemble Parameter Analysis with Nested Parallel Coordinates Plots,” IEEE Trans. Vis. Comput. Graph., vol. 23, no. 1, pp. 81–90, 2017.

[7] R. T. Whitaker, M. Mirzargar, R. M. Kirby, S. Member, M. Mirzargar, and R. M. Kirby, “Contour Boxplots: A Method for Characterizing Uncertainty in Feature Sets from Simulation Ensembles,” Vis. Comput. Graph. IEEE Trans., vol. 19, no. 12, pp. 2713–2722, 2013.

[8] P. S. Quinan and M. Meyer, “Visually Comparing Weather Features in Forecasts,” IEEE Trans. Vis. Comput. Graph., vol. 22, no. 1, pp. 389–398, 2016.

计划-已完成

TASK	DESCRIPTION	NOTE
大黑书修订	初稿	

计划-已完成

TASK	DESCRIPTION	SCHEDULE
大黑书修订	继续修改	
VisEvo	考虑投SigCHI；idea evaluation	下周
专利（两篇）	初稿完成(1/2)	下周与律师沟通
RSATree代码重构	后端C++化	6月完成

计划-中期

TASK	DESCRIPTION	SCHEDULE
RSATree后续 - Visual Query	RSATree中关于Visual Query（界面）部分的继续工作，包括查询流程、交互等，考虑投SigCHI	本周完成构思
分辨率自适应可视化	思考可行的方向，考虑是否投SigCHI	本周敲定目标

计划-长期

TASK	DESCRIPTION	SCHEDULE
毕业论文	目前定位为可是设计方向	开始考虑一下整体构思

Works Progresses

TASK	PROGRESS	TODO	ISSUES	DATE
RSATree	等待VIS结果	整理代码		
RSATree专利		与律师沟通		下周
大黑书修订				
VisEvo		idea evaluation		
电子学报	已进入最后阶段			
ECharts论文	完成proof	等待最终发布		
分辨率自适应可视化		学习/咨询相关理论基础		